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TITLE : OXYGEN FEEDER FOR AGRICULTURAL PURPOSES

ABSTRACT : PURPOSE: To obtain an oxygen feeder by adding magnesium sulfate and a basic substance to a powder containing a peroxide of alkaline earth metal as an active ingredient, thus showing initial growth acceleration effect in direct sowing cultivation in water-covered fields as well as high stability.

CONSTITUTION: (A) A powder containing a peroxide of alkaline earth metal as an active ingredient is combined with (B) magnesium sulfate and (C) a basic substance to give an oxygen feeder of high stability, being useful in direct- sowing cultivation of rice plant in water paddies. Component A is preferably a solid peroxide which is prepared by oxidizing, with hydrogen peroxide, a mixture of a Ca compound and a Mg compound at a molar ratio of 9.9/0.1~8/2 calculated as CaO and MgO or soluble MgO. Component B is anhydrous or hexahydrated or less hydrated magnesium sulfate or its anhydrous or one or more molar dehydrated double salt. Component C is calcium hydroxide, calcium oxide or magnesium hydroxide.

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